



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200
Fax 613 632-5246

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO040841	ACI001-VC	2	2	Net 30	M304S16GA	304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240			32	8/29/2018	32		S106295	Stock	8/28/2018	\$ 7.72 / sf	1		\$246.92	Acier Ouellette Inc.
		9	1						160	8/31/2018	160		S106178	Stock	8/28/2018	\$ 7.72 / sf	1		\$1,234.59	Acier Ouellette Inc.
Total:											192								\$1,144.98	

Plex 8/29/2018 8:24 AM dart.Tollis Andrew

**ACIER OUELLETTE INC.**

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0127397

Billed to

DART AEROSPACE LTD

Customer N°

CLI0001056

Date

2018/08/21

Revision N°

0

Prices valid until

2018/08/28

Your Order N°**Processed by**

Bonnie Fraser

Salesman

BONNIE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

1

Shipped to

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Product N° and description	Weight	Qty U/M	Qty U/M	Price	Pcs Nb	Price	Amount
ALU SHEET .064 (14G) 6061-T6 (4 X 8) FEAL-064486061 3175 3 x 4' x 8' - STOCK	86.50	96.00 PI2_\$CLB	3.00 UN	105.51			316.53
SHEET SS 16G SS304-2B (4 X 8) FESS-16G483042B 3419 5 X 4' X 8' - 2B FINISH - STOCK	420.00	160.00 PI2_\$CLB 7.7161875	5.00 UN	246.92			1 234.59
SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425 4 X 4' X 8' - 2B FINISH - STOCK	268.80	128.00 PI2_\$CLB	4.00 UN	243.90			975.61
FLAT SS 3/8 X 3 SS304 (R) FSS-383 3578 1 x 12' rdm - STOCK	45.96	12.00 PI_\$CLB	12.00 PI	14.94			179.22
FLAT SS 1/2 X 6 SS304 RANDOM NS FSS-126-V 9086 1 x 6' - DELIVERY: 2-3 DAYS	61.20	6.00 PI_\$CLB	6.00 PI	75.99			455.94
FLAT SS 5/8 X 3 SS304 NS FSS-583 9221 1 X 6' - DELIVERY: 2-3 DAYS	38.28	6.00 PI_\$CLB	6.00 PI	45.16			270.93
ROUND SS 5/8 303 RANDOM NS RSS-58303-V 8749 1 X 12'	12.52	12.00 PI_\$CLB	12.00 UN_\$UN	6.23			74.75
ROUND SS 1 303 (R) RSS-1303 8519 3 x 12' rdm - STOCK	96.12	36.00 PI_\$CLB	36.00 UN_\$UN	8.70			313.30
NON STOCK - 4130 "N" SHEET - WE OFFER: .040 X 36" X 72" 185F N MIN 4 SHTS X 3' X 6' - DELIVERY: 5-7 DAYS 725F = 4 sheet	0.00	4.00 UN	4.00 UN	339.52			1 358.08

Date :

Next Page...



ACIER OUELLETTE INC.

935, Boul. du Havre
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2

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
NON STOCK - BRONZE ROD C63000 - 2 1/2"DIA X 2' N 1 X 2' - DELIVERY: 2-3 WEEKS	0.00	1.00	UN	1.00	UN	568.95			568.95
NON STOCK - SS TUBE 304 - 3 1/4"OD X .049W N 6 X 20' - DELIVERY: 2-3 DAYS <i>16074</i>	0.00	120.00	UN	120.00	UN	5.24			628.80
FLAT ALU 1 X 2 6061-T6 * FAL-12 2497 2 X 20' - STOCK	96.00	40.00	PI_\$CLB	40.00	PI	8.90			356.11
FLAT ALU 1 1/4 X 2 6061-T6 * FAL-1142 2456 1 X 12' - STOCK	35.28	12.00	PI_\$CLB	12.00	PI	10.32			123.82
FLAT ALU 1 1/2 X 2 1/2 6061-T6 * FAL-112212 2439 2 X 12' - DELIVERY: 2-3 DAYS - 1 LN STOCK	105.74	24.00	PI_\$CLB	24.00	PI	18.00			432.04
FLAT ALU 1 X 4 6061-T6 * FAL-14 2532 WE OFFER 1 X 4" INSTEAD OF 1 X 3 1/2"	57.60	12.00	PI_\$CLB	12.00	PI	17.81			213.67
TUBE ALU 1 1/4 X 1 1/4 X .120 6063-T5 C * TAL-114114120C 6910 5 X 21' - SQUARE CORNERS - STOCK	67.20	105.00	PI_\$CLB	105.00	PI	2.44			256.00
ROUND 4140 ANNEALED 4 1/2 (R) R4140-412A 4957 ANNEALED - 1 X 3' - STOCK ST. JEROME 2-3 DAYS	166.77	3.00	PI_\$CLB	3.00	PI	79.47			238.40
NON STOCK - TOOL STEEL 01 - 3" DIA X 3' N 1 X 3' - DELIVERY: 3 WEEKS OR:	0.00	1.00	UN	1.00	UN	363.85			363.85

Date :

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du H vre
Salaberry de Valleyfield (Qu bec) J6S 5L1
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation**SOU0127397****Billed to**

DART AEROSPACE LTD

Shipped to

Att : CHANTAL LAVOIE T l.: 613-632-5200

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Prices valid until

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Salesman

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Credit Terms

Net 30 Days

Page

3

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
NON STOCK - TOOL STEEL 01 OFFER AS OPTION: 3 1/2" DIA N 1 X 3' - DELIVERY 4-5 DAYS	0.00	1.00	UN	1.00	UN	330.75			330.75
NON STOCK - TOOL STEEL 01 - 2 1/2" DIA X 3' N 1 X 3' - DELIVERY: 3-4 DAYS IF TAKEN WITH THE 3 1/2" DIA IF NOT 3 WEEKS	0.00	1.00	UN	1.00	UN	246.15			246.15
FUEL CHARGE FRAIS_ENERGETIQUE			\$						3.95
SPECIAL IMPORTATION FEES IMPORT			\$						0.00

Total Weight (Lbs)

1 557.97

Important

This offer is based on the availability, the price of material can change without notice in function of the evolution of the current market prices and international importation fees.
This offer is subject to credit approval.

Approuved and Accepted by :

Date :

Sub-total

8 941.44

GST : 447.07

QST : 891.91

Total (\$CAD)**10 280.42**

Chantal Lavoie

From: Chantal Lavoie
Sent: Tuesday, August 21, 2018 11:51 AM
To: 'Jérôme Primeau'
Subject: quote

Good morning Jerome,
Please advise price an delivery on mat'l.

~~304 sheet 16 ga x 160 sf~~
~~304 sheet 18 ga x 128 sf~~

~~304 bar 0.375" x 3" x 12 ft~~
~~304 bar 0.500" x 6" x 6 ft~~
~~304 bar 0.625" x 3" x 6 ft~~

~~303 round bar 0.625" x 12 ft~~
~~303 round bar 1" x 36 ft~~

~~4130n sheet .049" x 1 sheet~~

~~Bronze c63000 round bar 2.5" x 2 ft~~

~~304 round tubing 0.750" x .049" x 120 ft~~

~~6061t6 bar 1" x 2" x 36 ft~~
~~6061t6 bar 1.250" x 2" x 12 ft~~
~~6061t6 bar 1" x 3.5" x 12 ft~~
~~6061t6 bar 2.5" x 1.5" x 24 ft~~

~~6061t6 square tubing flat edge smooth finish 1.250" x .120" wall x 100 ft~~

~~4140 round bar 4.5" x 3 ft~~

~~01 round bar 3" x 3 ft~~
~~01 round bar 2.5" x 3 ft~~

Thanks
Chantal

Chantal Lavoie
Purchasing Coordinator

DART AEROSPACE
T 1 613 632-5200
F 1 613 632-1053
E clavoie@dartaero.com
1 800 556- 4166
www.dartaerospace.com





Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO040841

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO040841

PO Date: 8/24/18

Due Date: 8/31/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

REVISED

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: quote no. SOU0127397

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
2		M304S16GA		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	-	8/29/18	32 sf	0 sf	32 sf	\$7.71619/sf	\$246.92
								<i>32sf</i>			<i>AT 18/08/18</i>	
4		M304B0.625X3.000		304 Bar .625 X 3.00 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	8/31/18	6 ft	0 ft	6 ft	\$45.155/ft	\$270.93
6		MT-BRONZE-C63000-R2.500		Bronze C63000 Round Bar 2.500" : MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463	Firmed	-	8/31/18	2 ft	0 ft	2 ft	\$284.475/ft	\$568.95

Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
8		MT-4140-R4.500		AISI 4140 Round Bar 4.500 Dia. : MATERIAL: AISI 4140 ROUND BAR MINIMUM ROCKWELL C = 20 Rc MAXIMUM ROCKWELL C = 38 Rc SPECIFICATION: ASTM A29, AMS 6349, AMS 6382, AMS 6529	Firmed -		8/31/18	3 ft	0 ft	3 ft	\$94.4666/ft	\$283.40
											Grand Total: \$1,370.20	

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

CL

Plex 8/29/18 8:18 AM dart.lavoie.chantal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO040841

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO040841
PO Date: 8/24/18
Due Date: 8/31/18
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments: quote no. SOU0127397

Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4		M304B0.625X3.000		304 Bar .625 X 3.00 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	8/31/18	6 ft	0 ft	6 ft	\$45.155/ft	\$270.93
6		MT-BRONZE- C63000-R2.500		Bronze C63000 Round Bar 2.500" : MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463	Firmed	-	8/31/18	2 ft	0 ft	2 ft	\$284.475/ft	\$568.95
8		MT-4140-R4.500		AISI 4140 Round Bar 4.500 Dia. : MATERIAL:AISI 4140 ROUND BAR MINIMUM ROCKWELL C = 20 Rc MAXIMUM ROCKWELL C = 38 Rc SPECIFICATION: ASTM A29, AMS 6349, AMS 6382,	Firmed	-	8/31/18	3 ft	0 ft	3 ft	\$94.4666/ft	\$283.40



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO040841

Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
				AMS 6529								
9		M304S16GA		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed -		8/31/18	160 sf	0 sf	160 sf	\$7.71619/sf	\$1,234.59
											AUG 28 2018	
											Grand Total: \$2,357.87	

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 8/28/18 4:04 PM dart.baker.diane



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040841**

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO040841

PO Date: 8/24/18

Due Date: 8/31/18

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
AUG 24 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: quote no. SOU0127397

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1 A		M6061T6S.063		6061-T6 .063 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	-	8/31/18	96 sf	0 sf 96sf	96 sf	\$3,297.1875/sf	\$316.53
2		M304S16GA		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	-	8/31/18	160 sf	0 sf 160sf	160 sf	\$7,716.1875/sf	\$1,234.59
3 A		M304S18GA		304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	-	8/31/18	128 sf	0 sf 128sf	128 sf	\$7,621.9531/sf	\$975.61
4		M304B0.625X3.000		304 Bar .625 X 3.00 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	8/31/18	6 ft	0 ft	6 ft	\$45.155/ft	\$270.93
5 A		M303R1.000		303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft	Firmed	-	8/31/18	36 ft	0 ft 36sf	36 ft	\$8.7027/ft	\$313.30

Plex 8/24/18 12:15 PM dart.lavoie.chantal

Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6		MT-BRONZE-C63000-R2.500		Bronze C63000 Round Bar 2.500" : MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463	Firmed	-	8/31/18	2 ft	0 ft	2 ft	\$284.475/ft	\$568.95
7 A		M6061T6B1.250X2.000		6061T6 Bar 1.250 X 2.000 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	8/31/18	12 ft ✓ 12 ft	0 ft	12 ft	\$10.32/ft	\$123.84
8		MT-4140-R4.500		AISI 4140 Round Bar 4.500 Dia. : MATERIAL: AISI 4140 ROUND BAR MINIMUM ROCKWELL C = 20 Rc MAXIMUM ROCKWELL C = 38 Rc SPECIFICATION: ASTM A29, AMS 6349, AMS 6382, AMS 6529	Firmed	-	8/31/18	3 ft	0 ft	3 ft	\$94.4666/ft	\$283.40
											Grand Total:	\$4,087.15

Order Notes

Procurement Quality Clauses

A005 right of entry
 A012 chemical and physical test report
 A016 personnel qualification
 A017 raw material identification (as applicable)
 A026 certification of material conformance
 A041 quality management system
 A042 dart notification by supplier
 A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

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Plex 8/24/18 12:15 PM dart.lavoie.chantal



ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl.: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl.: 514-336-4246 Ext.: 866-456-4242

Order - Customer

Copy

CO00106683

Billed to

DART AEROSPACE LTD

Shipped to

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Customer N°
Date
Delivery date
Your order N°
Processed by
Salesman
Carrier
Credit Terme

CLI0001056
2018/08/27
2018/08/28
PO040841
Bonnie Fraser
BONNIE FRASER
OUELLETTE VALLEYFIELD
Net 30 Days

Product Description		Weight	Qty	UM	PCS NB			Internal Use Only				
					CMD	EXP	B/O	IN	I	S	C	OUT
1 SHEET SS 16G SS304-2B (4 X 8) FESS-16G483042B 5 X 4' X 8' AC19178-RY-2018/08/28 3419 heat 846P A		420.00	500 6 192SF 13	UN	0.00	AUG 29 2018						
		Total Weight (LBS) : 420.00			9-89		NIR : R-109516-6					
Conditions : All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.												
Prepared By :	Verified By :	Delivered By :	Time	Customer's Signature				Total (\$CAD)				
								GST				
								PST				
								1 424.03				
								Deposit				
								0.00				
								Balance				
								1 424.03				



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 421294 1 Mail To:

Customer: 007036 016

Date: 6/20/2018 Page: 1

Steel: 304

Finish: 2B

Corrosion: ASTM A262/15 A; 180Bend-OK

Your Order: 4500878835

NAS Order: DS 0014467 01

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED; UNS 30400
ASTM A240/17, A480/16b, A666/15, ASME SA240/17, SA480/17, SA666/17
CHEM ONLY ON FOLLOWING ASTM: A276/17, A479/17, A484/16, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13
AMS 5513J XMRK; MIL-S-5059D AMEND3 (X CROWN MEAS)
NACE MR0175/ISO 15156-3:2009 A, MR0103/07; QOS766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; ROHS 1 & 2 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DFARS Compliant

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
01846P D	01846P D		.0600	48.0000	11,635	COIL		1	1 160009453

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) ANAB, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
846P	US	.0502	18.1575	.4425	1.6270	.3740	.0632	8.0410	.0320	.0038
SI %										

MECHANICAL PROPERTIES

Product Id#	Coil #	d	UTS	20C	.2% YS	20C ELONG	% Hard	RB	Tail
01846P D	01846P D	F T	98.81	51.06	51.86	87.00	85.50		

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

6/20/2018

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED

SPECIFICATION:

MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240

FINISH:

DART M-NUMBER
IDENTIFIER

FINISH
UNPOLISHED No. 1
UNPOLISHED No. 2D
UNPOLISHED No. 2B
POLISHED No. 3
POLISHED No. 4
BUFFED No. 6
BUFFED No. 7
BUFFED No. 8

PART NUMBER:

M304S TT GA #P
GA

WHERE "TT" = GAUGE THICKNESS
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0209 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.08375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

RELEASED
2015 FEB 04
ECN 15-122 47

D	ADDED GAUGES 0-7	AJS	DATE
C	DEFINED FINISH OPTION (ZN, CS) AND EXAMPLE OF MATERIAL PIN WITH FINISH OTHER THAN 2B (ZN 85)	MB	12 09 20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1). ADD GAUGE REF (C8-1). REF PAR 08-020A	CP	09 06 01
A	NEW ISSUE	DS	01 09 24
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	AJS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	15.01.06		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M304S
TITLE
304/316 SS SHEET
SCALE
NTS
REV. D
SHEET 1 OF 1

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304516 GA
DATE: 18/08/28

PO / BATCH NO.: P0040841

MATERIAL CERT REC'D: Yes
QUANTITY RECEIVED: 7605F 1925F
QUANTITY INSPECTED: 7605F 1925F
QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.063"
THICKNESS RECEIVED: 0.063"
SHEET SIZE ORDERED: 4x8'
SHEET SIZE RECEIVED: 4x8'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y N	ASTM A270
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	MT: 896P
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/08/28</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in